

Amendments to the Specification

Please amend the Title as follows:

~~DRILLING~~ TWIST ELEMENT FOR A BEARINGLESS ROTOR

Please delete the heading “Field of the Invention” before paragraph [0001].

Please amend the heading before paragraph [0002] as follows:

~~Description of the Related Art~~ BACKGROUND

Please replace paragraph [0006] with the following amended paragraph:

[0006] ~~The~~ An object of the present invention is based on the objective of creating to provide a compact twist element with a high swing stiffness, along with a low torsional stiffness and twist stiffness and, at the same time, with a high torsional strength and twist strength. Furthermore, A further or alternate object is to provide a bearingless rotor and a rotorcraft with such a twist element are to be provided.

Please replace paragraph [0006] with the following amended paragraph:

[0006] ~~This outlined objective is achieved in a first embodiment by~~ The present invention provides a twist element having the features of Claim 1. for a bearingless rotor, which is made predominantly of composite fiber material, having an essentially symmetrical, flattened cross section that has approximately the contour of a horizontal section through the center of a double cone.

Please delete paragraph [0010]

Please replace paragraph [0011] with the following amended paragraph:

[0011] ~~The objective outlined above is achieved according to a second embodiment by present invention also provides a bearingless rotor having at least one twist element as described above the features of Claim 14. Moreover, the objective outlined above is achieved according to a~~

~~third embodiment by the present invention provides a rotorcraft having at least one such bearingless motor according to the invention having the features of Claim 15.~~

Please replace paragraph [0015] with the following amended paragraph:

[0015] The figure shows a schematic cross sectional depiction of a twist element 2 for a bearingless rotor. The twist element 2 according to the invention is made predominantly of composite fiber material. As can be clearly seen in the drawing, said twist element 2 has a symmetrical, flattened cross section that has ~~approximately~~ the contour shape of a horizontal section through the center of a double cone. As used herein, the term “symmetrical” is not limited to shapes that are exactly symmetrical, but may also be used to describe shapes that are approximately symmetrical. In addition, as is clear from the drawing, “having the contour shape”, as used herein, means is not limited to having exactly the shape described but also includes elements having a contour shape that reasonably approximates the described shape. The horizontal center axis of the cross section of the twist element is designated with the reference letter H and the vertical center axis with the reference letter V. It can also be said that the contour of the cross section of the twist element has ~~approximately~~ the shape of two relatively narrow, horizontal, essentially isosceles triangles that are oriented symmetrically with respect to the horizontal and vertical center axes H, V and that are joined together in the area where their tips face each other. This contour or cross section is almost completely filled up by composite fiber material, as will still be explained in greater detail below. The lengthwise direction or the longitudinal axis of the twist element is indicated by the reference letter A. The longitudinal axis A runs preferably radially with respect to the rotor circle of the rotor or it extends essentially parallel to the lengthwise direction of a rotor blade of the rotor.

Please delete the entire “List of reference numerals” on page 9.